

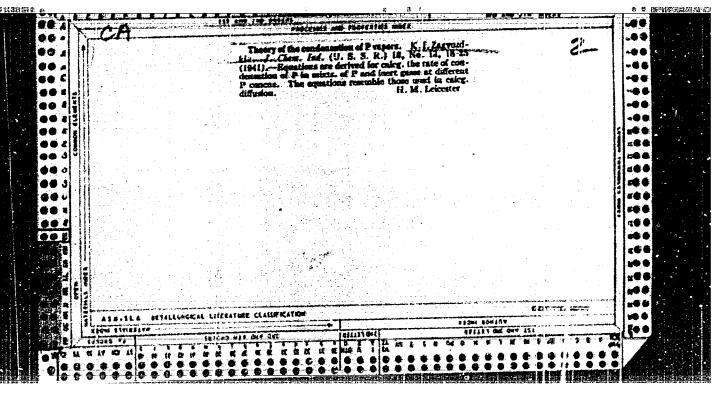
ZACVOZDKIN, K.: PARILKO, N.

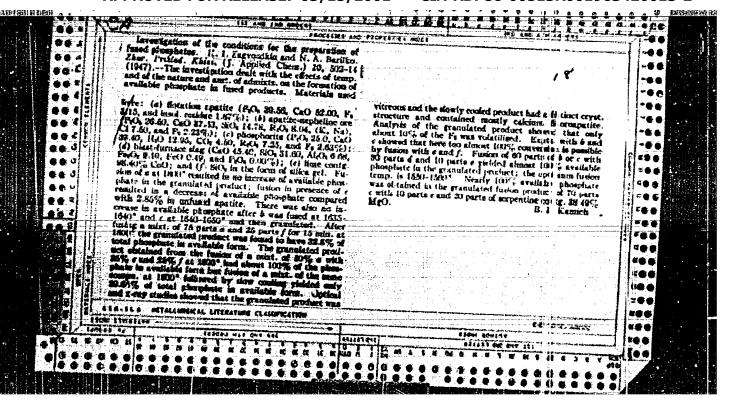
Moscow

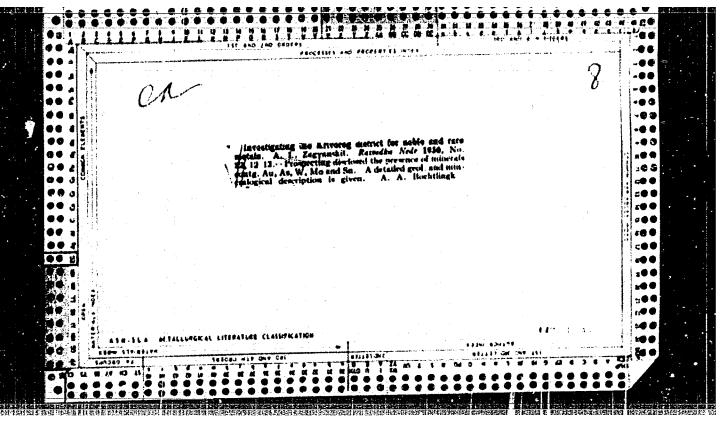
Thermics Laboratory, Scientific Research Institute of Fertilizers and Insecto-Fungicides (SIC) (-1940-).

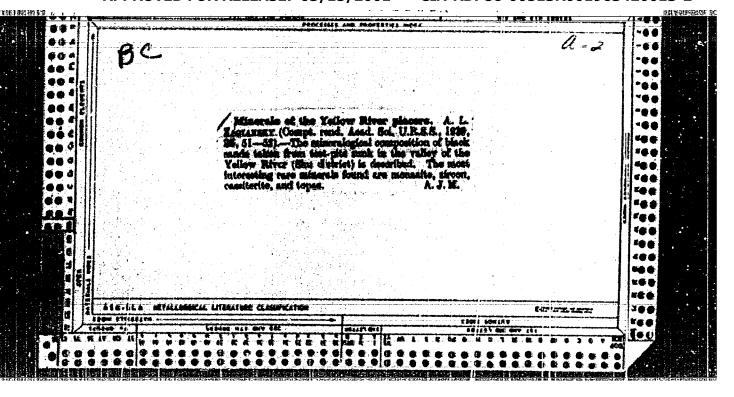
"Study of the Conditions of Oxidation of Phosphorous in the Caseous Phase by Atmospheric Oxygen."

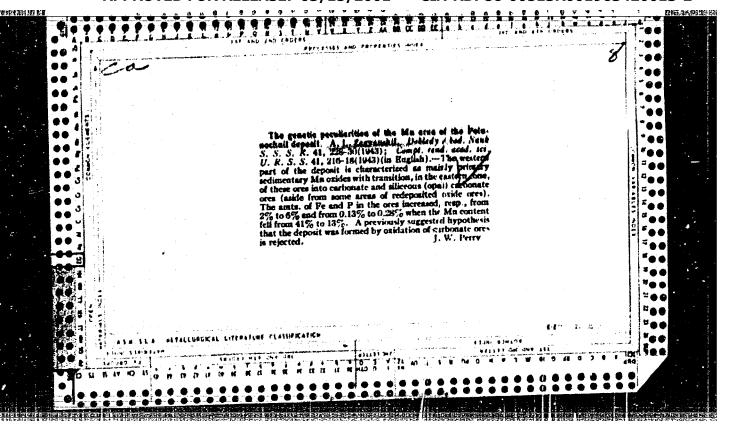
Zhur. Fiz. Khim., Vol. 14, No. 4, 1940.











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	Geological Prospecting  Iron Ore stilon of Geological Hesearch Work on EM ik Magnetic Anomaly) Territory," A. L. ingkiy, Cand Geol-Mining Sci, 5 PP	If has been shown recently that Devontan deposare comparatively extensive in EMA territory.  They covered (until most recent transgressions the main part of the rioh iron concentrations the main part of the rioh iron concentrations of the rioh iron during second the or percentan ago, in were formed during second the ores nowth of Starry Oakel Reyon, in particular shellery and Tim rayons.	

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ZACYANSKIY, A. L.

USSR/Metals - Ferroalloys, Manufacture, 11 Mar 52 Processes

"Peculiarities of Slagging in Making Phosphorus Ferromanganese," A. L. Zagyanskiy

"Dok Ak Nauk SSSR" Vol LXXXIII, No 2, pp 265-267

Studies compn and properties of slags in making Fe-Mn-P alloy in blast furnace. Concludes that, under ordinary temp conditions of blast furnace process (at Si content of 0.4-0.7%), CaO/SiO<sub>2</sub> ratio in slag must be at 1.5-1.55. Such basicity secures proper reduction of Mn and P, while slag possesses sufficient fluidity. Discusses deviation from optimum compn. Submitted by Acad I. P. Bardin 18 Jan 52.

#### "APPROVED FOR RELEASE: 03/15/2001

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Journal of the Iron and Steel

Journal of the Iron and Steel

Institute

Vol. 176 Part 3

Mar. 1954

Production of Steel

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Mar. 1964

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Production of Phosphorus Steels. A. J. Zazyanskii. District of Steel

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USSR/Minerals - Geochemistry

Card 1/1 Pub. 22 - 26/40

Authors

¿ Zagyanskiy, A. L.

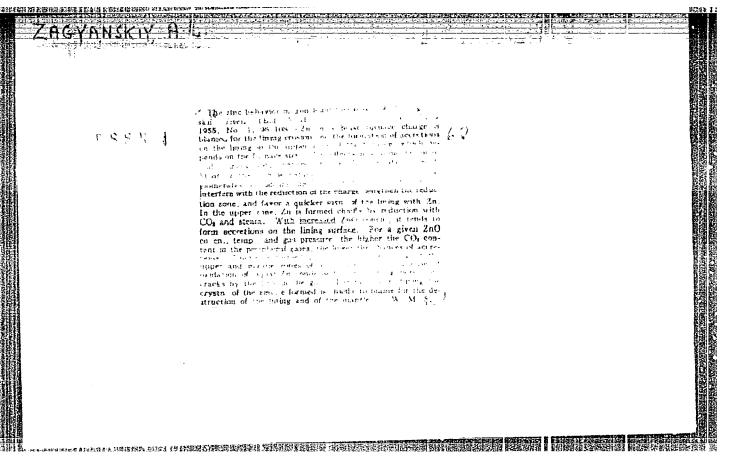
and the second s t The geochemical characteristics of Zn distribution in Fe-cres

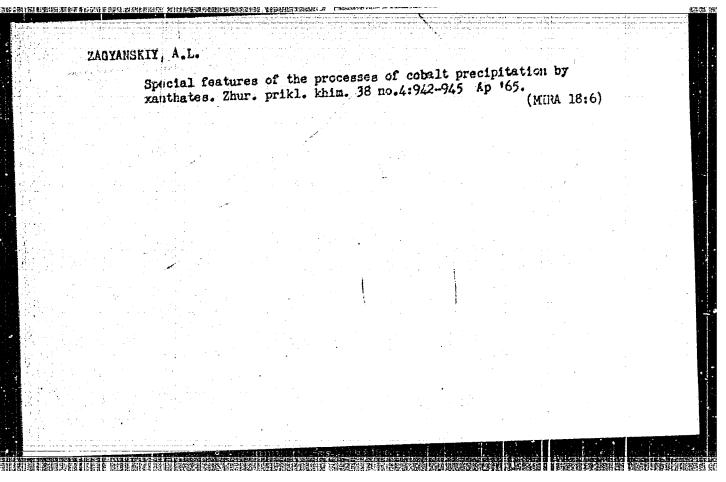
Periodical : Dok. AN SSSR 99/2, 285-287, Nov 11, 1954

Abstract : Several ord samples from western Siberia and Ural sources were investigated to intermine the Zn distribution in these ores. The separation of the Zn bound with sulfides, and the determination of its content ower carried out he rescaled ag the one samples in a 2% solution of nitric media at 200. The The containing the scale of En-containing iron ores, are tabulated. Ten references: 9-cosk and 1-oba (1994-1947) Table.

Institution: The I.V. Stalin Steel Institute, Moscow

Presented by : Academician D. I. Shcherbakov, June 12, 1954

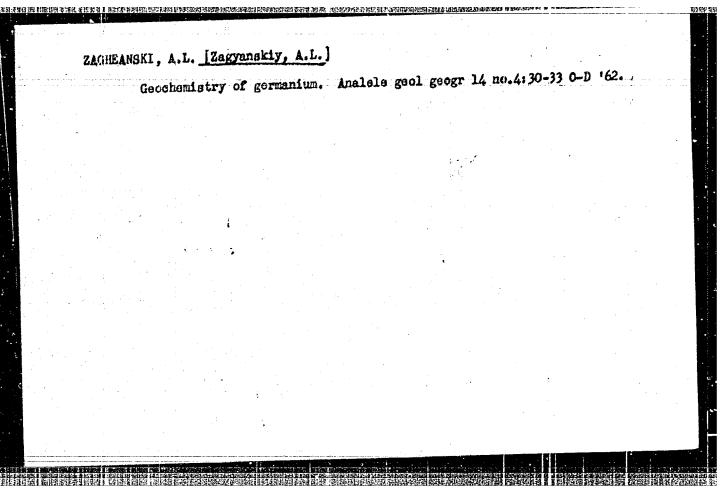




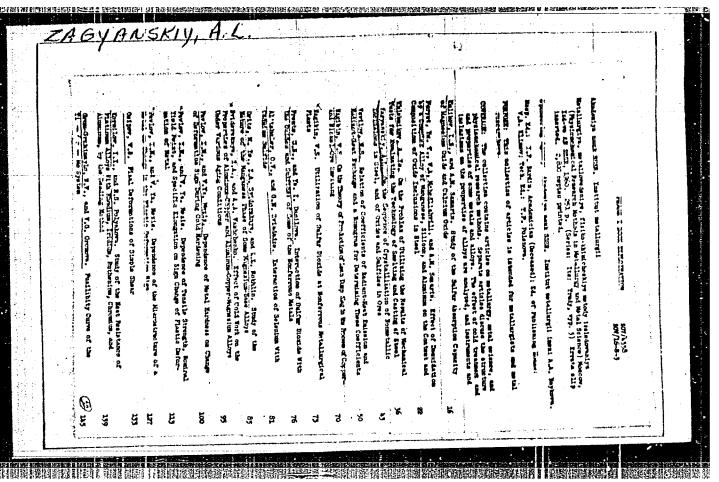
ZAGTANSKIY, A.L.

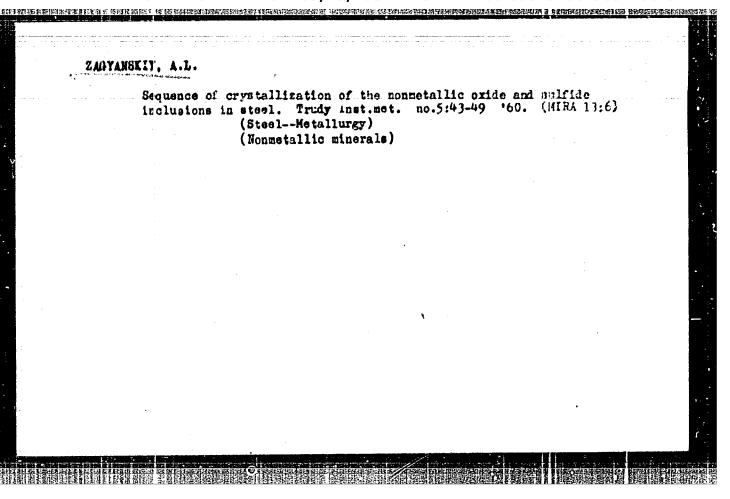
Settling of cobalt by potessium menthate. Tower. met. 37 no.6:
(MISA 17:9)

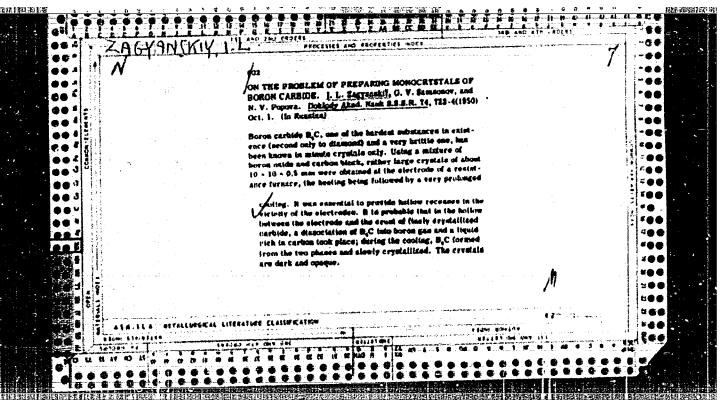
25-29 Je '64.

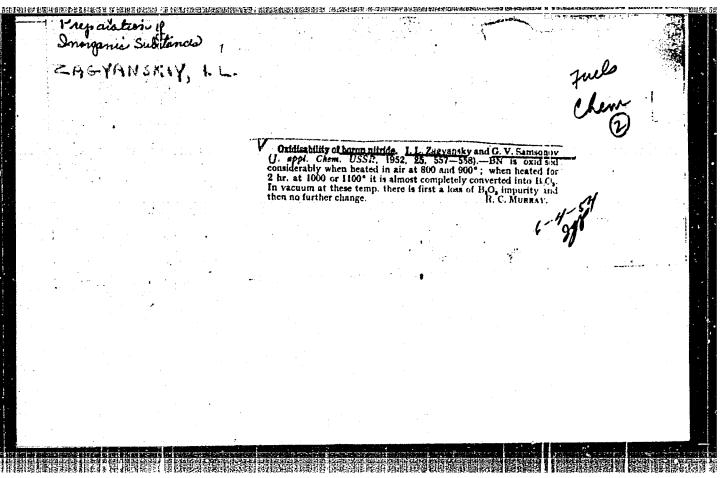


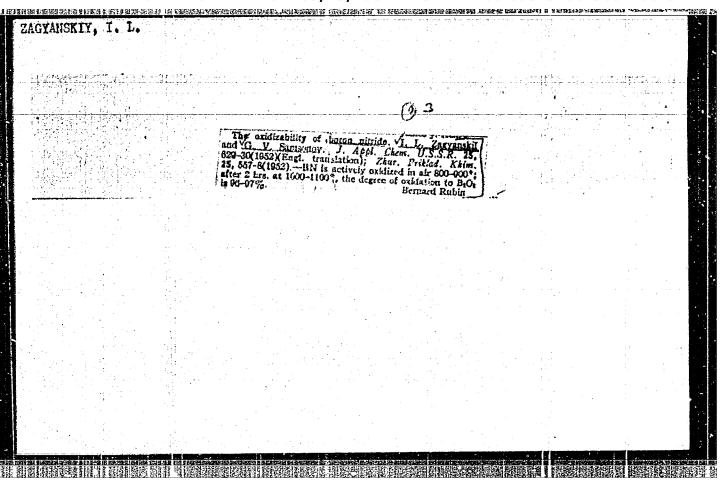
	Geochemistry of germanium. Dokl. AN SSSR 143 no.6:1435-1437 (HIRA 15:4)
 	1. Institut metallurgii im. A.A.Baykova AN SSSR. Predatavleno akademikom D.I.Shcherbakovym. (Geochemistry) (Germanium)







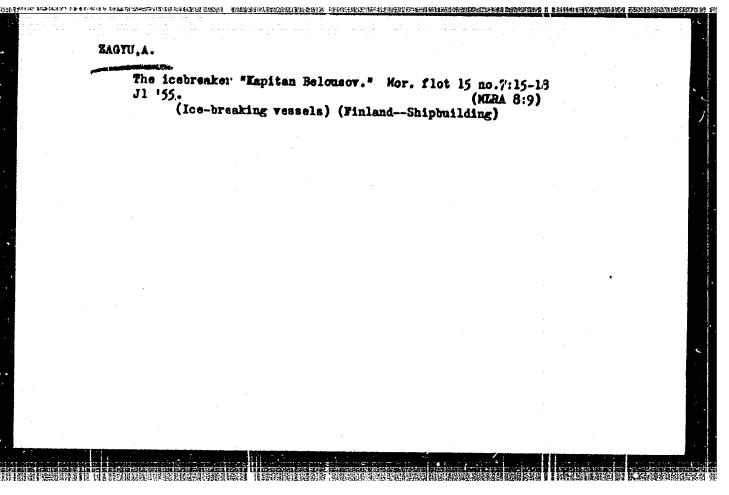




Arctic icebreaker fleet. Mor. flot 17 no.12:6 D '57. (MIRA 11:1)

1. Machal'nik otdela Upravleniya po zakazam i nablyudeniyu za stroitel'stvom flota Kinisterstva morekogo flota.
(Arctic regions--Navigation) (Ice-breaking vessels)

ZAOYU, A.					
<u></u>	The "Ob", a diesel-electric ship. Mor.flot.16 : (Merchant ships, Russian) (Ob (Ship))	10.3:15-19 Mr. 156. (HLRA 9:7)			
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BUADZE, V.I.; GABASHVILI, T.H.; ZAGYU, T.H.

Petrological and mimoralogical characteristics of Poladeuri
iron ore deposits. Geol.sbor.[Kavk.] no.1:10-23 '59.

(Georgia—Iron ores)

(Georgia—Iron ores)

Zneyu, TN

15-57-8-11219

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8,

pp 151.-152 (USSR)

AUTHOR:

Zagyu, T. N.

TITLE:

Formation of One of the Iron Ore Deposits of Georgia (K voprosu formirovaniya odnogo iz zhelezcrudnykh

mestorozhdeniy Gruzii)

PERIODICAL:

Tr. Gruz. politekhn. in-ta, 1956, Nr 3 (44), pp 88-93

ABSTRACT:

In the area of the deposit, the rigid crystalline substratum is covered by thin-vein deposits of Lias stone, volcanic formations of the Bajocian and a thick stratum of volcanic formations and limestones of the Middle and Upper Cretaceous period. The ore substances are located chiefly in the axial part and in the northern limb of the sloping, latitudinal anticline and are correlated chiefly with the tuffaceous breccia, more rarely with the tuff, and, as

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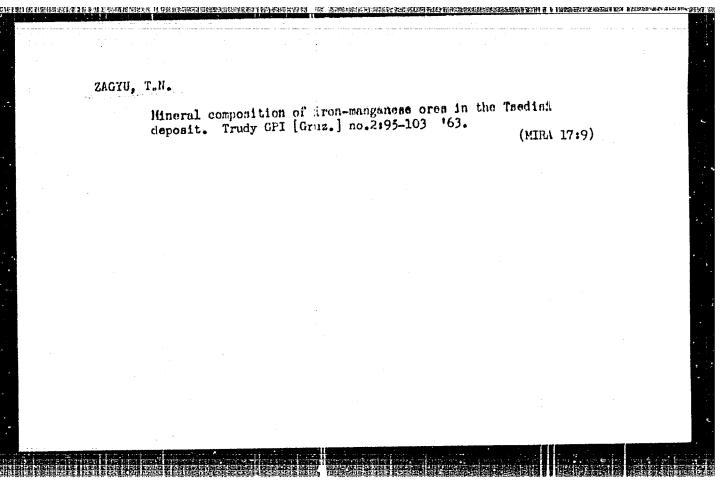
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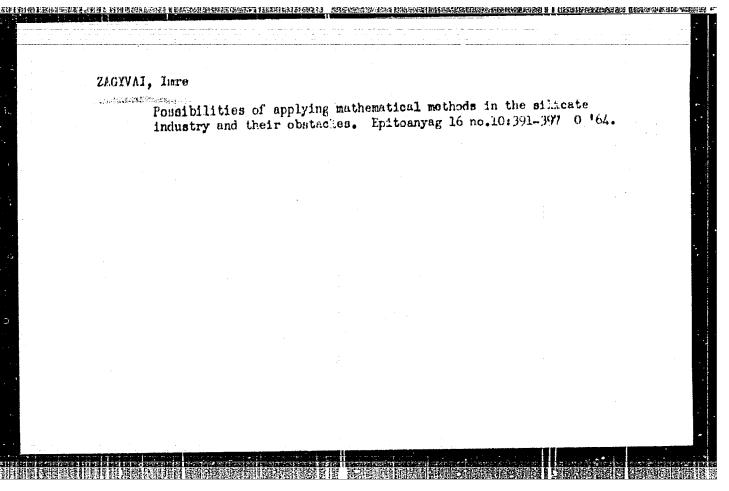
15-57-8-11219

Formation of One of the Iron Ore Deposits (Cont.)

the exception, with the blanket deposits of the albitophyres of the Turonian-Cognacian. The one substances have an irregular lenticular form; on the whole, they lie concordant with the host rock, rarely occupying an intersecting position. They consist of advancing nests of mixed ore and sections of more or less thick dissemination which gradually passes into unmineralized rock. The basic ore mineral is hematite, accompanied by pyrite and a very small amount of chalcopyrite. Sometimes magnetite is present. Mineralization is accompanied by quartz, chlorite, calcite, siderite, garnet, epidote, actinolite, plagioclase, and sericite. The mineral composition of the ores and the changed enclosing rock distinctly indicate that they are the result of a single process. The formation of ores occurred by metasomatic shifting of rock-forming minerals as a result of their interaction with hydrothermal solutions penetrating into the rock along pre-ore tectonic fissures.

Card 2/2





DOLUE, Attila; ZAGYVAI, Istvan

Changes in the chamical compusition of fur leathers during the drenching process. For tipo 14 no. 2:58-59 lfr 164.

1. Parnonia Fur Factory, Budipest (for Dolle). 2. Budapest Technical University (for Zagyvai).

ZAGYVAY, Istvan; NEMETH, Laszlone; HANGOS, Istvan

Some questions of preparing colloidal graphite. I. Crushing of graphite. Magy kem folyoir 66 nc. 9:338-342 S '60.

1. Budpaesti Muszaki Egyetem Gyakorlati Kemiai Tanszeke es Tavkozlesi Kutato Intezet.

ZAGYVAI, Istvan; NEMETH, Laszlone; HANGOS, Istvan

Some questions relating to the preparation of colloid graphite. II. Preparation of graphite suspensions. Magy kem folyoir 67 no.7:298-301 Jl '61.

1. Tavkozlesi Kutato Intezet, Budapest.

DOLLE, Attila; ZAGYVAI, Istvan; KMIER, Maria

Changes in the chemical composition of palts during their steeping. Ft. 2. Bor cipo 14 no.4:117-119 .71 -164.

1. Pannonia Fur Factory (for Dolle). 2. Endapost Technical University (for Zagyvai). 3. Netional Institute of Rheumatism and Balmest Grapy (for Reller).

ZAGZHDA WARA TIEHOHOVA, L.A.; SOKOLOV, V.I.; KARAETS, A.G.; RYBNIKOV, V.A.;
KAZAKEVICH, S.S.; SARMIN, A.P.; GAVRILOV, A.I.; NCVIKOV, A.H.;
HECHEPOREUKO, N.A.; EAL'HOVA, Ye.A.; FEDOROV, G.A., redektor;
FEL'DGANDIER, G.G., redektor; ROZEH!SVEYG, Ya.D., redektor izdatel'...
utva; MIKHAYLOVA, V.V., tekhnicheskiy redektor

[Handbook on refractory elements and materials] Spravochnik na ogneupornye izdeliia, materialy i sprie. Sostavlen po gosudarstvennym standartam i tekhnichesim uslovkiam. Moskva, Gos. nauchnotekhn. izd-vo lit-ry po chernoi i tuvetnoi metallurgii, 1956. 195 p. (MIRA 10:2)

1. Russia (1923- U.S.S.R.) Ministerstvo chernoy metallurgii.
2. Leningradskiy istitut ogneuporov. (for Zagshda, Tikhonova, Sokolov. Marants, Rybnikov, Kazakevichi, Sarmin, Gavrilov, Hovikov, Hacheporenko, Kalimova.

(Refractory materials)

ZAH, M.

"Railroad line between Belgrade and Bar; comparative calculations for steam and electrical traction." p. 1. (Zeleznice. Vol. 10, no. 1, Jan. 1954. Beograd.)

SO: Monthly List of East European Accessions, Vol. 3, no. 6, Library of Congress, June 1954. Uncl.

# ZAH, M.

p. 25 (Zeleznice) Vol. 14, no. 1, Jan. 1958 Belgrade, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

ZAH, Miroslav, inz.

Are there possibilities of applying atomic energy in railroad traction. Zeleznice Jug 20 no.6:38-39 Je '64.

ZAHACINSCHI, Maria, dr.; HUCUR, Paula, dr.; VASILESCU, I., dr.

Familial cardiomyopathy. (Aplopos of 3 clinical cases). Med. intern. (Bucur.) 17 no.4:463-466 Ap 165.

1. Lucrare efectuata in Spitalul nr. 1, Craiova.

ZAHACINSCHI, Maria, dr.; SHIRLEAZA, V., dr.; PLETER, V., dr.; VAHILLESCO, I., dr.

Three cases of the Pickwick syndrome. Med. intorn. (Biour.) 16 no.11:1397-1400 N 164

1. Lucrare efectuata in Sectia medicala a Spitalului nr.  $l_{\rm np}$  Craiova.

ZAHACINSCHI, Maria, dr.; VASILESCU, I. dr.; ROSCULESCU, I. dr.

Endomyocardial fibrosis with the clinical and radiological aspects of constrictive calcifying pericarditis. Med. intern. (Rucur.) 16 no.7:881-884 J1'64

1. Lucrare efectuata la Spitalul Nr.1, Craiova.

----ZAHACINSCHI, N.

SURNAME, Civen Names

Country: Rumania

Academic Degrees:

Affiliation: -not given-

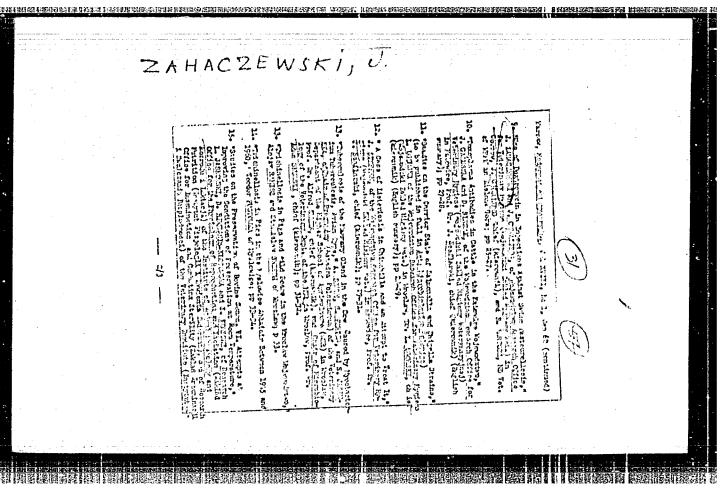
Source: Bucharest, Farmacia, Vol IX, No 9, Sep 1961, pp 563-571.

Data: "On the Extractive Solutions Included in the 7th Elition of the Rumanian Fharmacopoeia and Suggestions for the Next Fharmacopoeia."

Authors:

CRASNARU, P., -Pharmacist.-ZAHACINSCHI, N., -Pharmacist.-

GF0 98164



ZAHACZEWSKI, R.

(GAZ, WODA I TECHNIKA SANITARNA, Vol. 28, No. 3, Mar. 1954, Warszawa, Poland)
"Decrease coke comsumption in central heating boilers." p. 66

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, 4FEIL 1954

ZAHACZEWSKI, Roman, dr inz.; KOCUREK, Joachim

المناورة والمناولة والمناورة والمناو

Directives for the selection of the pipeline diameter for the transportation of hydraulic mixtures of water and coal of 0-2mm grains. Przegl gorn 20 no.3:Supplement: Biul glow inst gown 14 no.1:1-5 164.

ZAHACZEWSKI, Roman, dr inz.; ROGOWSKI, Tadeusz, mgr inz.; KOCUREK, Joachim; CLECH, Tadeunz.

Testing hydraulic gradients for water and coal mixtures, considering the curve of the graininess. Przegl gorn 20 no.3:Supplement: Biul glow inst gorn 14 no.1:7-9 164.

ZAHACZEUSKI, Roman, dr inz.

Application of the theory of similitude to flow of soliduand liquids in pipelines. Przegl gorn 20 no.10:410-413

0 '63.

ZAHACZEWSKI, Roman, dr. inz.; MILLER, Mieczyslaw, mgr inz.

Hydraulic coal transportation from mine I to electric plant K.

Przegl gorn 20 no.10:Supplement:Biul glow inst gorn 14 no.2:
18-21 '63.

#### CIA-RDP86-00513R001963420013-2 "APPROVED FOR RELEASE: 03/15/2001

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我们就是我们的时候,更多是**这些时间的,我们也没有一个。** 

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A231/A126

AUTHORS:

Dumitrescu, L.; Jakab, I.; Procopovici, E.; Zahaescu, A.

Some problems of experimental investigations of high-spend aerody-

namics in the shook tube

PERIODICAL: Studii și cercetări de mecanică aplicată, no. 6, 1960, 1,599 - 1,608

The article briefly reviews the shock tube of the Institutul de mecanica aplicata "Traian Vuia" (Institute of Applied Mechanics) of the Academiy RPR (Rumanian Academy). The institute conducts research in consection with the accomplishment and exploitation of shock tubes since 1956. The requirements for the construction of the shock tuke and measuring instruments were based on the idea of using the shock tube for the production of a high-speed quasi-stationary air stream. The operating principle and the operational results have already been described in Ref. 6 [L. Dumitreson: Tubul de soc și aplicațiile sale. Studii și cercetări de mecanică aplicată, VII, 1 (1956)] and Ref. 2 [L. Dumitresous Tubul de soc pentra cercetări de aerodinamică. Studii și cercetări de mecanică aplicata, X, 1 (1959)]. Behind the shock wave propagating along the tube there are produced two quasi-stationary flow fields of two different Mach Number M. and

Card 1/3

Some problems of experimental investigations of ....

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Mo. The tube has a total length of 11 m constating of twelve 840 mm and two 450 mm etumps. Their position can be modified to reslize every configuration of the tube. The sectional dimension of the tube is 300 x 190 mm. It is provided with a vacuum pump of 1.7 kw and a residual vacuum of 0.3 mm Hg, and a 0.7 kw air compressor supplying 7 atm. These installations supply a maximum vacuum of 2 mm Hg and a maximum pressure of 6 atm, corresponding to a maximum theoretical Mach Number of M = 1.45 and M2 = 5.37. The main problem consists in an adequate measuring of the aerodynamic parameter. The shock tube was designed to guarantee an average operating time of 5 - 10 milliseconds. In order to use the shock tube for qualitative research, it became necessary to work out methods of measuring the aerodynamic parameters with a short response time which should represent a fraction of the above-mentioned minimum operation time. In order to accomplish the measurement of a great number of physical parameters, the shock tube was equipped with the following installations: a) Apparatus for measuring the initial static parameters of the air in the shock tube; b) control relay with controllable retarding for the connection of the measuring instruments and spot 11luminating devices; c) installation for measuring the propegation velocity along the shock tube; d) installation for measuring the aerodynamic pressure distribution in the shock tube and on the model; e) aerodynamic scale for measuring the

Card 2/3

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Some problems of experimental investigations of....

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overall-aerodynamic-forces on the model; ... and f) installation for measuring the heat transfer on the model surface. At present, the last two problems were not yet studied. The shock tube was also equipped with an installation measuring the propagation velocity of the shock wave serving as a reference value. This insullation was described in Ref. 3 [I. Jakab, A. Zaharescu and L. Dumitrescu: Metcch pentru măsurarea vitezei de propagare a undelor de șoo. Studii și cercetări de mecanică aplicată, XII, 1 (1961), being in publication]. There are 8 figures and 13 references: 6 Soviet-bloc and 7 non-Soviet-bloc. The last five references to the English-language publications read as follows: Ref. 7: Ch.E. Witteliff, M. R. Wilson and A. Hartzberg, The tailored interface shock tunnel. Journal of the Aero-Space Science, 26, 4, April (1959); Ref. 10: J. Gordon Hall, Shock tubes. Institute of Aerophysics University of Toronto, UTIA Review, 12. Part. II, May ... (1958); Ref. 11: B.D. Henshall, On some aspects of the use of shock tubes for aerodynamic research. R. & M. 3044, London (1957); Ref. 12: B.D. Henshall, Some notes on the use of resistance termometers for the measurement of heat transfer rates in shock tubes. A.R.C. Techn. Report C.F. 408, London (1959); Ref. ... 13: B.D. Henshall, Experimental results from the N.P.L. hypersonic shock tunnel. N.P.L. (Aero) 372, February (1959).

SUBMITTED: May 12, 1960

Carvi 3/3

#### ZAHALKA, B.

"Gretaceous Territory in the Environs of Rychinov nad Kneznou", P. 45, (SEORNIK. ODDIL GEOLOGICKY, Vol. 20, 1953, Praha, Czech.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 3, Mar 1955, Uncl.

### ZAHALKA, B.

Tectonic sketch of the Cretaceous of eastern Bohemia. p.359. SBORMIK, CDDIL GEOLOGICKY, Prague, Vol. 21, 1954 (published 1955)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 5 June 1956, Uncl.

ZAHALKA, B.

"Contribution to the Stratigraphy of Cretaceous Formations in the (Are River Basin." p. 73 (KARTO RAFICKY FREHLED, Vol. 29, No. 2, 1954

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ZAHALKA, B.

Deep borings in Roudnice nad Labem. p. 251. VESTNIK, Prague, Vol. 29, no. 6, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

ZAHALKA, B.

A contribution to the tectonics of the Cretaceous in the vicinity of Roudnice and Labem. p. 255. (Vestnik, Praha. Vol. 31, no. 6, 1956)

SO: Monthly List of East European Accession (EnAL) Lo, Vol. 6, no. 7, July 1957. Uncl.

ZAHALKA, B.

Occurrence of a Medust-like form in the Cretacoous of the Beskids.

p. 294 (Vestinik (Vol 32. no. 4, 1957. Praha, Czechoslovakia.

SO: Montbly Index of Bast European Accessions (EEAI) IC, Vol. 7, no. 1, Jan 1958

#### ZAHALYA, J.

Into the second year.

p. 1 (Jenna Mechanika a Optika. Vol. 2, no. 1, Feb. 1957. Preha, Caechoslovskia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

CZECHOSLOVAKIA / Farm Animals. General Problems

Q

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21447

Author

: Zahalka Jan

Inst Title

: Pasture Management of Young Purebred Bulls (Past-

bishchnoye soderzhaniye molodykh plemennykh bychkov)

Orig Pub: Nas chov, 1957, No 10, 271-273

Abstract: The article deals with the importance of pasture for the development of the organs of young bulls. It contains recommendations for preparing the

groups of young bulls for pasturing, preventing excessive exercise, and for individual grazing on a

tether.

Card 1/1

11

#### ZAHALKA, J.

Oil as fuel for rotary furnaces in clinker production; experiences of the cement plant in Cizkovice. p. 2117.

STAVIVO. (Ministerstvo stavebnictvi) Praha, Czechoslovakia. Vol. 37, no. 8, Aug. 1959.

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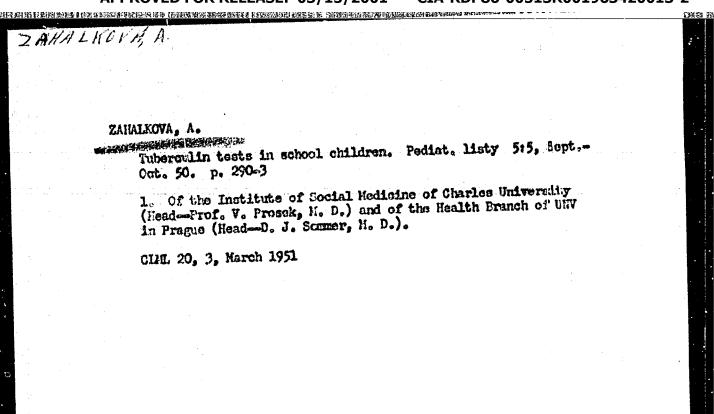
ZAHALKA, Y.

"More participation of technicians needed in analyzing the economy of enterprises."

NOVA TECHNIKA, Praha, Czechoslovakia, Vol. 7, July 1959.

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\*\*Unclassified.\*\*



JENICKOVA, Jarmila; ZAHALKOVA, Anna

Results of vaccination against tuberculosis in Prague during 1947-57. Cesk.pediat. 14 no.12:1096-1105 D 59.

1. Ustav narodniho zdravi ONV Praha, reditel dr. J. Sosiy.
Ustav pro organizaci zdravotnictvi UK, prednosta prof.dr. V. Prosak.
(ECG VACCINATION statist.)

# ZAHALEOVA, A.; VAVROVA, L.

Role of tuberculosis in child mortality and morbidity. Pediat. listy. Praha 7 no. 3:153-157 May-June 1952. (CLML 22:4)

THE SECOND CONTROL WILL DESCRIPTION OF THE PROPERTY OF THE SECOND SECOND CONTROL OF THE PROPERTY OF THE PROPER

1. Of the Institute of Social Medicine (Head--Prof. V. Prosek, H. D.) of Charles University, Prague.

# ZAKALKOVA, H., HOLUB, K.

Our method for the cooperation between school physicians and ophthelmologists in detecting strabismus. Cask. pediat. 17 no.48372-375 Ap 162.

1. Detake oddeleni OUNZ Zdar nad Sasavou, prednosta MUD: J. Zemanek Ocni oddeleni OUNZ Zdar nad Sasavou, prednosta MUDr. K. Jolub.

(STRABISMUS prev & control) (SCHOOL FEALTH)

# ZAHAIKOVA-PAVIOVA, A.; ZIMA, J.

Sleep therapy of stannering, Pediat. listy, Frana 8 no.1:31-32 Feb (GIML 24:3)

1. Of the Logopedic Institute of UNV-Prague (Head--Prof. M. Sovak, M. D.) and of the Sanatorium for Adolescents with speech disorders.

# VEZA, S., lector; ZAHAN, E., prof. (Cluf)

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1. Universitatea, Cluj (for Veza)

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The influence of salt-free diet and diuretic therapy on serum lipids in arteriosclerosis. Stud. cercet. E.d. intern. () no.3t 269-277 '65.

## Compensation of a polygonal network. Rev geodesie 7 no.2: 3-20 \*63.

# ZAHARCESKO, Vasili More than a quarter of a century in the jungle. Pt.2. St si Teh Buc 14 no.12:30-3% D\*62. 1. Redactor-sef al Registei "Tehnika Molodeji".

PAUNESCU, C.; GEORGESCU, M.; ILLESCU, I.; ZAHARRAHU, F.; MATO, B.; STANGIU, St.;

IAGRITHANU, V.; ULRESCU, St.; CIORRA, N.

Tonsillar disease and rheumatism in children; investigation in the vicinity of Grivita Rosie (1951-1955). Probl. reumat., Herur. no.5: 93-98 1958.

(RIKUMATISM, etiol. & pathogen-relation to tomaillitis, in child., incidence in community near Bucharest)

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ZAHARENKO, H.V., TOLSTUKHIWA, F.S., BARTENEY, G.W.

Flow of rubberlike polymers and of their mixtures with carbon blacks. Koll. shur. 22 no.2:168-175 Mr-Ap '60. (MIRA 13:8)

1. Hauchno-issledovatel skiy institut resnivoy p::omyshlennosti, Koskva.

(Carbon black) (Polymers) (Propene)

JAKAB, I.; ZAHARESCU, A.; RUGIMA, I.

Six channels of direct current amplifier for tensionetric measurements. Studii cerc mec apl 14 no. 6: 1/85-1/90
163.

### "APPROVED FOR RELEASE: 03/15/2001

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R/008/60/000/001/009/009 A125/A026

AUTHOR:

Zaharescu, A.

CHARLES WAS A STATE OF

TITLE:

Static Tensioneter With Switching to 15 Measuring Points

1/0

PERIODICAL: Studii si Cerceteri de Mecanica Aplicata, 1960, No. 1, pp. 297-301

TEXT: The Measurement Engineering Section of the Insitutul de mucanică aplicată (Institute of Applied Mechanics) designed and built a sensitive-static tensiometer, able to measure deformations in 15 points with resistive transducers. It consists of a measuring bridge, an oscillator for feeding the bridge, and a zero indicator, comprising an amplifier and a phase-sensitive detector. The multistage bridge consists of two Wheatstone bridges connected in series. The switching scheme of the transducers is selected in such a way that a  $^n \triangle r^n$  variation of the contact resistance of the switch is reduced to  $(\triangle r)^2$ ,  $(r = 2r^n)$ 

 $R_{44}=R_{45}$ ). The bridge is calibrated for a transducer-constant of K=2. The equilibrium elements of the bridge are a potentiometer with a drum  $R_6$  and switches  $K_1$  and  $K_2$ . The resistances of the bridge are measured with a tolerance of smaller than 0.1 K and are inductively wound. The  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_3$ ,  $R_3$ ,  $R_3$ , resistances are thermally assumed up to a relative variation of the resistance Card 1/2

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R/008/60/000/001/009/009 A125/A026

Static Tensiometer With Switching to 15 Measuring Points

tance of less than 2.10-6/0C. The oscillator is accomplished on a cathode repeater with a double T selective curouit. The frequency of the general voltage is 800 cps. The amplification can be varied in two stages. The phase detector requires small consumption from the oscillator. The R<sub>50</sub> and R<sub>51</sub> resistances guarantee a good stability of the zero point, and together with R<sub>54</sub> and R<sub>68</sub> they give a good sensitivity. The rectifier, installed in the same casing, is provided with 6 x 4 STR 150/40 z tubes for 150 v and GR80F tubes for signaling the operation. The value of the measured & distortion has a lower limit of 2.10-6 and an upper limit of t 10-2. The bridge is calibrated for a 200 ohm transcucer, but other transducers ranging from 100 to 600 ohm, supplying an additional error of 1%, can also be used. The calibrating error of the switches for two active transducers is smaller than  $C=\pm 10^{-5}$  for one stage of the  $K_1$  switch and  $E=\pm 5.10^{-6}$  for one stage of the  $K_2$  switch. The displacement of the zero point is  $E=3.10^{-6}$  for one hour of operation. No additional errors are obtained at the voltage variation of the network between + 10 and - 20 %. The apparatus allows the observation by an oscillograph of dynamic stresses, containing important harmonics, smaller than 100 cps. There are 1 figure and 1 photograph. September 19, 1959 SUBMITTED: Card 2/2

JAKAB, I.; RUGINA, I.: ZAHARESCU, A.

Automation of aspect control of ball bearings. Studii cerc mec apl 14 no.5:1163-1177 '63.

BALLY, R.J., cand. in stiinte tehnice, ing.; ZAHARESCU, E., cand. in stiinite tehnice

第 55 Common and the a

Studies of the hydrotechnical earth structures necessary for the development of the fluvial zone of the Danube Delta. Meteorologia hidrol gosp 6 no.3:192-195 '61.

1. Membru al Colegiului de reductie, "Meteorologia, hidrologia si gospodarirea apelor" (for Hally).

来在分割,中全体设计的表现,不是是全种性,不是一种的主义,是一种的主义,是一种的主义,是一种的主义,是一种的主义,是一种的主义,是一种的主义,是一种的主义,是一种的主义。

ZAHARESCU, E., cand.st.teh.ing.

Studies on infiltrations in the embanked area of the Dermbe Delta. Meteorologia hidrol gosp 6 no.41269-273 161.

ZAHARESCU, E., ing.; IONESCU, I., ing.

Study on the use of stabilized soil in the work of hydrotechnical constructions and hydrotechnica work. Hidrotechnica 8 no.10:361-371 0 163.

IOHESCU, I.; ZAMARESCU, E.; ENCLESCU, M.

Study of the mineral binding materials for soil stabilization.

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## ZAHARESCU, B.

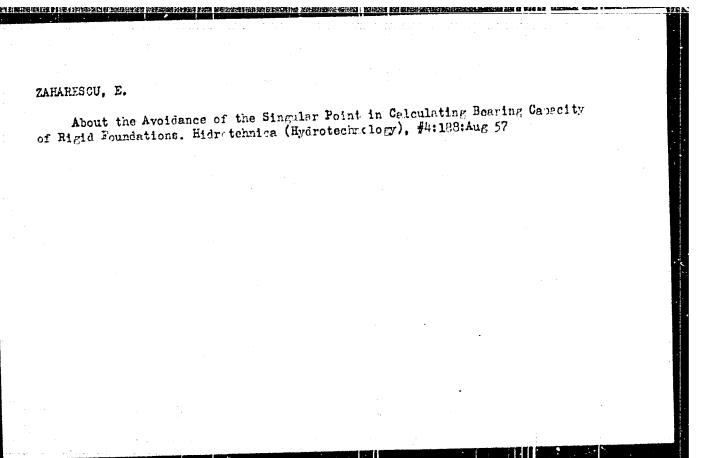
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SD: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress August, 1953, Uncl.

### ZAHARESCU, E.

Avoidance of the singular point in the calculation of the carrying capacity of rigid ioundations. p. 188. (HIDROTECHNICA. Vol. 2, no. h, July/Aug. 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 2, No. 12, Dec. 1957 Uncl.



### ZAHARESCU, E.

TECHNOLOGY

Periodicals: HITROTEHNICA. Vol. 3, no. 8, Aug. 1958

ZAHARESCU, E. Experimental studies on the methods of breaking the earth mass below figid foundations. p. 318

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ZANUR ISCU, I., prof. (Name and energy)

Use of sand case in teaching geography. Hatura Geografic 13 no.3:76-77 My-Je '61.

Country Category	: RULANIA
Abs. Jon	44402
Author Thatitut	Opresou, Gh.; Apostol, V.; Finkel, M.; Zaharescu, I.
Title	Production of Sulfate Collulose with a High Yield from Coniferous Woody Tlasne in Rumania
Orig Pub	•
abstract	The possibility was established of producing sulfate cellulose with a high yield (55-65%). Technical-economic data are given on edvantages of using this product. Authors' resume.
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Card: 1,	<b>'1</b>

VASILESCU, V., conf.; CUPSA, Viorica, dr.; ZAHARESCU, Stela, dr.

Some aspects of the biology of hepatic regeneration. Med. intern. (Bucur.) 16 no.8:917-926 Ag 164.

1. Lucrare efectuata la Catedra de biofizica Institutul medicofarmaceutic, Bucuresti.

The action of Adelphan on haemodynamic factors in hypertonic disease. Rumanian M. Rev. 3 no.3:52-56 J1-H '59.

1. Medical Clinic of the Medicopharmaceutical Institute in Jasey. (HYPERTERSION, therapy)
(RESERPINE, therapy)
(HYDRAZINES, therapy)

TRANCHE, M., Conf.; BRAUNER, E., dr.; AMDRONOVICI, Gh., dr.; MIHUL, V., dr.;
BLINDJ, P., dr.; FEIER, H., dr.; VINTU, G., dr.; EMJEMANU, G., dr.;
RADUESCU, Alex., dr.; SEMAENSE, L., dr.; HURMUZAGHE, G., Drof.;
TUDORANU, O., dr.; SEMAL, B., dr.; MARTULESCU, G., dr.; IUNGU, I.,
dr., TUNGU, E., dr.; ZAHARTSCU, T., dr.; RAIMUS, P., conf.; BEJAN, V., dr.

Scarlatinal rheumatian. Med. int., Bucur. 9 no.1:67-70 Jan 57.

(RHEUMATIC FEVER, eticl. & pathogen.
acarlet fever, incidence & prev.)

(SCARLET FEVER, complications
rheum. fever. incidence & prev.)

ZAHARESCU, V.

The presence in Rumania's fauna of a hymenopteron parasite of the cereal moth, Sito-troga cerealella. p. 249

LUSCRARI STIINTIFICE. (Institutul Agronomic "Profesor Ion Ionescu de la Brad," Iasi) Bucuresti, Rumania.

Monthly list of East European Accessions (EMAI) LC, Vol. 8, No. 8, Aug. 1959 Uncl.

405h;3 R/016/62/007/001/002/002 1004/1204

26. 231/ AUTHOR:

Yakab, I., Zaharesku, A. and Dumitresku, L.

TITLE:

A method of measurement of the speed of propagation of shock waves

PERIODICAL:

Revue de mecanique appliquée v. 7, no. 1, 1962. 173-183

TEXT: Described is a method of velocity measurement of waves propagating in a shock take. The measurement is based on registration of the time interval between the moments of passing of the wave across two fixed marks 700 m apart. The instant of passage of the wave is detected by special capacity transducers with very low inertia. A special oscillographic chronograph was developed for measurement of the time interval. It employs a spiral time base and the measured time interval,  $\Delta t$ , is represented by an arc of the spiral given by  $\varphi = 2\pi f.\Delta t$ , where f is the frequency (2000 cps in the present case) of the voltages which form the time base and  $\varphi$  is the central angle of the spiral arc. The probable accuracy of the method is 0.3%; the main sources of error are a) inaccuracy in the estimation of the spiral arc length, b) inequality of the amplitudes of the two voltages which form the spiral time base, c) deviation of the phase shift between these voltages from 90°, d) presence of harmonics in the time base voltages, e) dependence of the sensitivity of one pair of the deflecting plates upon the voltage impressed upon the other pair, and f) errors resulting from the modulation process of the voltages which form the spiral time base. There are 12 figures.

Card 1/1

L 11176-66 EMP(1)/T/ETC(m) Ma/RU  ACC Na: AP6004953 SOURCE CODE: RU/0027/65/01C/001/0067/C077  AUTHOR: Pincovschi, Eugen; Zaharia, Ana  ORG: Gheorghe Gheorghiu-Dej Polytechnical Institute, Bucharest (Institutul politehnic "Gheorghe Gheorghiu-Dej")  TITIE: Device for the study of the kinetics of solid-gas type heter-geneous processes	7.44
SOURCE: Studii si cercetari de metalurgie, v. 10, no. 1, 1965, 67-77	
TOFIC TAGS: gas kinetics, electromeasuring device, physics laboratory instrument	
ABSTRACT: The authors describe a device allowing the simultaneous and continuous registration of the kinetic curves showing the variation of yield and of reaction speed with time. The device consists of a transducer of electric conductivity for the registration of yield and a transducer of thermic conductivity for the registration of the reaction speed (differential curve). The device is relatively simple and call be used for serial determinations. Orig. art. has: 6 19 gures, 6 formulas, and I table. The	
SUB CODE: 20, 09 / SUBM DATE: 07Dec64 / CRIC REF: 004 / OTH FEF: 002	
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AUTHORS:

Jakab, I., Zaharesou, A., and Dumitresou, L.

TITLE:

A method of measuring the propagation velocity of

shock waves

PERIODICAL: Studii ei cercetari de mecanica aplicata, no. 1. 1961. 195 - 205

TEXT: The article gives the result of investigations conducted by the Institutul de mecanica aplicata (IMA) "Traian Vuia" of the Academia R.P.R. ("Traian Vuia" Institute of Applied Mechanics of the Rumanian Academy) on a method of measuring the velocity of shock waves produced by the shock tube of the IMA, as well as on the development of the corresponding electronic instruments. The average velocity is measured by determining the time interval between the passage of the wave in front of two wave detectors, placed along the shock tube at a distance of 700 mm from each other.

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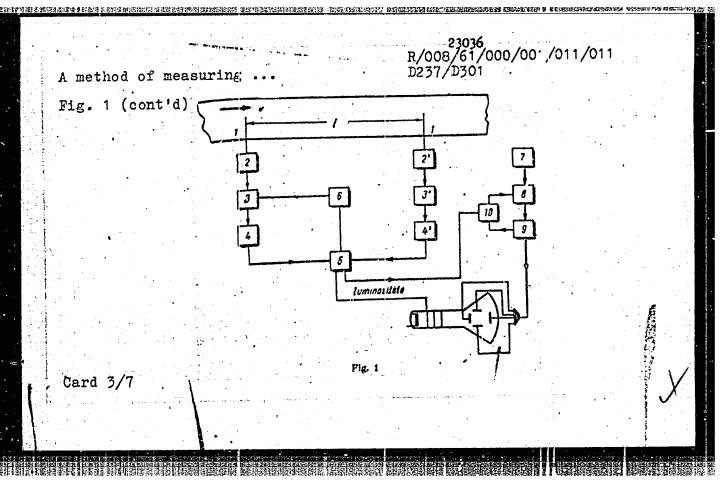
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A method of measuring ...

For this purpose special wave detectors with a solid dielectric were developed, having a very high natural frequency and a low response time, ranging between 2 and 5 µsec. The IMA shock tube may produce streams with M2 Mach numbers, varying between 0 and 5.3, which correspond to a propagation velocity of the M3 initial shock wave varying between 1 and 3.5. Since the distance between the two detectors is 700 mm, time intervals from 600 to 2,100 microsec. may be measured. The measuring is done by a specially developed electrono-cscillographic chronograph. The measuring circuit as shown in Fig. 1, consists of two wave detectors, an RC oscillator, an amplifier, a dephasing circuit, a reaction amplifier, two chains of amplifiers, an electronic relay, and a blocking circuit.

Fig. 1.
Legend: 1 and 1' wave detectors - 2, 3, 4, and 2', 3', 4' amplifier chains; - 5 electronic relay - 6 blocking circuit - 7 RC oscillator - 8 amplifier - 9 dephasing circuit - 10 modulation circuit.

Card 2/7



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23036 R/003/61/000/001/011/011 D237/D301

A method of measuring ...

The operation principle is described as follows: the RC oscillator, the amplifier and the dephasing circuit produce two sinusoidal voltages of the same frequency, dephased to 90°, which are applied to the pairs of the deflecting plates of the cathode tube. Thus, the electronic spot describes a circle on the screen. Before releasing the phenomenon in the shock tube, the intensity of the spot is very low, being below the visibility limit. The moment the shock wave passes in front of the wave detectors, two electric signals are produced which are amplified and processed by two chains of amplifiers which act on the electronic relay; the relay controls the lighting and the extinguishing of the cathode tube spot: The electronic relay also acts on the modulation circuit, which gradually reduces the amplitude of the deflection voltages. Thus the electronic spot does not move any more on a circle, but describes a luminous spiral arc, which is photographed. The time variation of the amplitudes is determined according to

 $\varphi = 2\pi f. \Delta l,$ 

Card 4/7